

IN THE CLAIMS:

Please amend claims 5, 10, 11, and 14, as follows:

1. (Original) A three-dimensional cell culture method comprising constructing a three-dimensional tissue by stacking cells flat-cultured on a permeable sheet on other flat-cultured cells together with said permeable sheet.
2. (Original) The three-dimensional cell culture method of claim 1 wherein the cultured cells are originated from any one of a solid organ, an epithelial tissue, or a muscular tissue.
3. (Original) The three-dimensional cell culture method of claim 2 wherein the cultured cells are originated from a liver.
4. (Original) The three-dimensional cell culture method of claim 3 wherein the cultured cells comprise primarily small hepatocytes.
5. (Currently Amended) The three-dimensional cell culture method of claim 3 ~~or~~ 4 wherein a bile canaliculus is formed in the three-dimensional tissue.
6. (Original) A three-dimensional tissue constructed by stacking cells flat-cultured on a permeable sheet on other flat-cultured cells together with said permeable sheet.
7. (Original) The three-dimensional tissue of claim 6 wherein the cultured cells are originated from any one of a solid organ, an epithelial tissue, or a muscular tissue.
8. (Original) The three-dimensional tissue of claim 7 wherein the cultured cells are originated from a liver.
9. (Original) The three-dimensional tissue of claim 8 wherein the cultured cells comprise primarily small hepatocytes.
10. (Currently Amended) The three-dimensional tissue of claim 8 ~~or~~ 9 wherein a bile canaliculus is formed in said three-dimensional tissue.
11. (Currently Amended) An artificial organ constructed from the three-dimensional tissue of ~~any one of~~ claims 6~~[[~~-10]].

12. (Original) A cell culture method of flat-culturing cells on a permeable sheet comprising defining the colony form of the cultured cells by controlling the position of a pore in said permeable sheet.

13. (Original) A three-dimensional cell culture method comprising constructing a three-dimensional tissue by stacking cultured cells cultured by the cell culture method of claim 12 on other flat-cultured cells together with the permeable sheet.

14. (Currently Amended) A tissue transplantation method comprising transplanting the three-dimensional tissue of ~~any one of~~ claims 6[[-10]] into a living body of a non-human vertebrate.